Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.		021040000800US	
First Inventor		Boon-Siew Ooi	TO.
Title	METHOD FOI QUANTUM W	R SHIFTING THE BANDGAP ENERGY OF A ELL LAYER	S.

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b)) Express Mail Label No. EL 827037814 US

						- 60	
	APPLICATION E		ADDRESS TO	Box Patent	Commissioner for Patents Application	1097	
See MPEP chap	oter 600 concerning design par	ent application contents.	<u> </u>		n, DC 20231	<u>,</u>	
1. X Fee (Sub) 2. X Applia See 3. X Spe (pref - Des - Cro - State - Ref or a - Bare - Brite - Def - Cla - Abs 4. X Drawi 5. Oath or Dec a. X Nes b. Co (ff i. E S n. 1. 6. X Applicat	ferred arrangement set forth be scriptive title of the Invention set References to Related Appletement Regarding Fed sponsor ference to sequence listing, a large computer program listing applete for Summary of the Invention of Description of the Drawings tailed Description of the Drawings tailed Description of the Disclosure stract of the Disclosure stract of the Disclosure (arg.) (35 U.S.C. 113) claration why executed (original or compared to the prior application or a continuation/divisional DELETION OF INVENTO (arged statement attached deleated in the prior application, s.63(d)(2) and 1.33(b). tion Data Sheet. See 37 Clause of the prior application of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of the Data Sheet under 37 Clause of the Inventor of	TO/SB/17) for fee processing) Itus. [Total Pages 50] Idications ored R & D able, endix (if filed) [Total Sheets 13] [Total Pages 1] Dry) I (37 CFR 1.63 (d)) with Box 18 completed) DR(S) ting inventor(s) see 37 CFR EFR 1.76 appropriate box, and supple	7. CD-ROM or Computer Pro 8. Nucleotide and/or (if applicable, all n a. Computer Re b. Specification Se i. CD-ROM o ii. paper (nun c. Statements v ACCOMPA 9. Assignment 10. 37 C.F.R. § (when there 11. English Tra 12. Information Statement (13. Preliminary 14. X Return Recei (Should be 15. Certified Co (if foreign p 16. Request and C Applicant mus 17. Other:	7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. paper (number of pages) c. Statements verifying identity of above copies ACCOMPANYING APPLICATIONS PARTS 9. Assignment Papers (cover sheet & document(s)) 10. 37 C.F.R. §3.73(b) Statement Power of (when there is an assignee) Attorney 11. English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 13. Preliminary Amendment 14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) 16. Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.			
	Prior application information: Examiner Group / Art Unit:						
under Box 5b. i	For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.						
	-	19. CORRESPON	IDENCE ADDRESS				
☑ Customer	Number or Bar Code Label	203 (Insert Customer No. or At		or 🔲 Co	orrespondence address below	v	
Name							
Address							
City		State		Zip Code			
Country		Telephone		Fax			
Name (Print)	(Type) William E. W	/inters	Registration No. (Attorne	ey/Agent)	42,232		
Signature	NK A	CA CIV		Date	02/26/01		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231. SF 1248986 v1

Patent and Tradel fice: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

**or number previously paid, if greater; For Reissues, see above

Application Number	
Filing Date	Herewith
First Named Inventor	Ooi, Boon-Siew
Examiner Name	
Group Art Unit	

SUBTOTAL (3)

(\$)

Complete if Known

021040-000800US TOTAL AMOUNT OF PAYMENT (\$) 709.00 Attorney Docket No. METHOD OF PAYMENT FEE CALCULATION (continued) 3. ADDITIONAL FEES The Commissioner is hereby authorized to charge 1. indicated fees and credit any over payments to: Large Entity Small Entity Fee **Fee Description** Deposit Code (\$) Code (\$) Paid 20-1430 Account 105 130 205 65 Surcharge - late filing fee or oath Number Surcharge - late provisional filing fee 127 50 227 25 or cover sheet. Deposit 130 139 130 139 Non-English specification Townsend and Townsend and Crew LLP Account Name 147 2.520 147 2.520 For filing a request for reexamination Charge Any Additional Fee Required 112 920 112 Requesting publication of SIR prior to Under 37 CFR 1.16 and 1.17 Examiner action Applicant claims small entity status. 113 1.8401 113 1.840* Requesting publication of SIR after See 37 CFR 1.27 **Examiner action** Payment Enclosed: Extension for reply within first month 115 215 55 110 116 390 216 195 Extension for reply within second ☐ Check ☐ Credit card ☐ Money □ Other month Order 890 217 445 Extension for reply within third month 117 FEE CALCULATION Extension for reply within fourth 118 1,390 218 695 month BASIC FILING FEE 228 945 Extension for reply within fifth month 128 1.890 Large **Entity** Small **Entity** 119 310 219 155 Notice of Appeal Fee Fee **Fee Description** Fee Fee Paid Code (\$) Code (\$) 120 310 220 155 Filing a brief in support of an appeal 355 Utility filing fee 355 101 201 710 121 270 221 135 Request for oral hearing 106 320 206 160 Design filing fee Petition to institute a public use 138 1,510 138 1,510 proceeding 107 490 207 245 Plant filing fee 140 . 110 240 55 Petition to revive - unavoidable 108 710 208 355 Reissue filing fee 141 1,240 241 620 Petition to revive - unintentional Provisional filing fee 214 75 114 150 142 1,240 242 620 Utility issue fee (or reissue) (\$)355 SUBTOTAL (1) 143 243 220 Design issue fee 440 144 600 244 300 Plant issue fee 2. EXTRA CLAIM FEES 122 130 122 130 Petitions to the Commissioner Fee Extra Fee from Petitions related to provisional Claims below 123 50 123 50 applications Total Claims \$9 \$234 46 26 Submission of Information Disclosure Independent 126 180 126 180 6 3 \$40 \$120 Stmt Claims Recording each patent assignment Multiple per property (times number of 581 581 40 40 ependent properties) Entity Small **Entity** Large 146 710 246 355 Filing a submission after final rejection (37 CFR § 1.129(a)) **Fee Description** For each additional invention to be Code Code (\$) (\$) 149 710 249 355 103 203 Claims in excess of 20 examined (37 CFR § 1.129(b)) 9 18 102 80 202 40 Independent claims in excess of 3 179 710 279 355 Request for Continued Examination (RCE) Multiple dependent claim, if not paid 104 270 204 135 169 900 169 900 Request for expedited examination ** Reissue independent claims over 109 40 80 209 of a design application original patent ** Reissue claims in excess of 20 and Other fee (specify) 110 18 210 over original patent The Commissioner is authorized to charge any additional fees to the above noted Deposit Account. SUBTOTAL (2) (\$)354

SUBMITTED BY	SUBMITTED BY Complete (if applicable)				
Name (Print/Type)	William E. Winters	Registration No. (Atterney/Agent)	42,232	Telephone	415-576-0200
Signature	C no)	Date	07/26/01
	+				

*Reduced by Basic Filing Fee Paid

WARNING: Information on this form may become public. C/edit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.